

# What Do Biologists Do When They Visit France?

Solve each formula for the indicated variable. Circle the letter next to your answer.  
Write this letter in the box at the bottom of the page containing the exercise number.

$$d = rt, \text{ for } r$$

**E**  $r = \frac{d}{t}$

**M**  $r = \frac{t}{d}$

$$B = T - Lc, \text{ for } T$$

**V**  $T = \frac{B}{Lc}$

**O**  $T = B + Lc$

$$S = 2\pi rh, \text{ for } h$$

**L**  $h = \frac{2\pi S}{r}$

**I**  $h = \frac{S}{2\pi r}$

$$E = mc^2, \text{ for } m$$

**A**  $m = \frac{E}{c^2}$

**W**  $m = \frac{c^2}{E}$

$$A = \frac{bh}{2}, \text{ for } b$$

**S**  $b = \frac{Ah}{2}$

**T**  $b = \frac{2A}{h}$

$$y = mx + b, \text{ for } b$$

**T**  $b = \frac{mx}{y}$

**N**  $b = y - mx$

$$y = mx + b, \text{ for } x$$

**G**  $x = b - my$

**I**  $x = \frac{y - b}{m}$

$$A = \frac{\pi r^2 S}{360}, \text{ for } S$$

**E**  $S = \frac{360A}{\pi r^2}$

**F**  $S = \frac{360}{\pi r^2} A$

$$p = 2l + 2w, \text{ for } w$$

**N**  $w = \frac{p + l}{2}$

**Y**  $w = \frac{p - 2l}{2}$

$$V = \frac{1}{3} Bh, \text{ for } h$$

**P**  $h = \frac{3VB}{B}$

**S**  $h = \frac{3V}{B}$

$$V = \pi r^2 h, \text{ for } h$$

**T**  $h = \frac{\pi V}{r^2}$

**G**  $h = \frac{V}{\pi r^2}$

$$T = p + prt, \text{ for } r$$

**A**  $r = \frac{T - p}{pt}$

**K**  $r = \frac{T - pt}{t}$

$$h = vt - 16t^2, \text{ for } v$$

**S**  $v = \frac{h + 16t^2}{t}$

**B**  $v = \frac{16t^2 - h}{t}$

$$P = a + (n - 1)b, \text{ for } b$$

**H**  $b = \frac{P - a}{n - 1}$

**R**  $b = \frac{(n - 1)a}{P}$

$$m = \frac{2E}{v^2}, \text{ for } E$$

**L**  $E = 2mv^2$

**G**  $E = \frac{mv^2}{2}$

$$A = \frac{a + b + c}{3}, \text{ for } c$$

**N**  $c = \frac{3A}{a + b}$

**T**  $c = 3A - a - b$

$$S = \frac{1}{2} at^2, \text{ for } t^2$$

**P**  $t^2 = \frac{2S}{a}$

**F**  $t^2 = \frac{2a}{S}$

$$F = \frac{9}{5} C + 32, \text{ for } C$$

**T**  $C = \frac{5}{9} F + 32$

**E**  $C = \frac{5}{9} (F - 32)$

$$V = \frac{4}{3} \pi r^3, \text{ for } r^3$$

**R**  $r^3 = \frac{3V}{4\pi}$

**D**  $r^3 = \frac{4V\pi}{3}$

5	14	8	12	16	2	18	10	20	4	13	7	17	1	15	11	19	3	6	9
---	----	---	----	----	---	----	----	----	---	----	---	----	---	----	----	----	---	---	---